

IN THE CLAIMS

Please cancel Claims 108-123 without prejudice or disclaimer of subject matter.

Please add Claims 124-134 to read as follows:

sub
11

K1

--124. An outline forming apparatus, comprising:

a storage medium, storing:

a plurality of coordinate data, including

a coordinate datum indicating a first outline point of a

pattern corresponding to a first weight value and a

coordinate datum indicating a second outline point of a

pattern corresponding to a second weight value, said second

weight value indicating a weight value at which vector data

change,

a plurality of vector data, including a

vector datum indicating a movement track of the first outline

point to the second outline point and a vector datum

indicating a movement track of the second outline point, and

identification information indicating

correspondence between each of the vector data and respective

weight values;

an inputter, for inputting a weight value;

an acquiring unit, arranged for acquiring coordinate and vector data corresponding to the weight value input by said inputter, from said storage medium, by referring to the identification information; and

a calculation unit, arranged for calculating coordinate data of an outline point of a pattern to be output, based on the weight value input by said inputter the coordinate data and the vector data acquired by said acquiring unit.

K1
125. The apparatus according to claim 124, further comprising a sending unit for sending the coordinate data calculated by said calculation unit.

126. The apparatus according to claim 124, wherein the pattern is a character pattern.

127. The apparatus according to claim 124, wherein said storing medium stores a plurality of weight values at which vector data change.

✓ 128. The apparatus according to claim 124, wherein the plurality of vector data includes vector data indicating a straight line and vector data indicating a curve of second or higher degree.

✓ 129. The apparatus according to claim 124, further comprising an output unit for outputting a pattern formed based on the coordinate data calculated by said calculation unit.

K-1
✓ 130. The apparatus according to claim 129, wherein said output unit includes a printer.

✓ 131. The apparatus according to claim 124, wherein said calculation unit operates on vector data.

✓ 132. The apparatus according to claim 124, wherein said storage unit stores degree information indicating degree of a function of vector data.

✓ 133. The apparatus according to claim 129, wherein said degree information includes an information

indicating that coordinate data is constant regardless of the change of weight value.

sub
134
134. An outline forming method utilizing a storage medium which stores:

K1
a plurality of coordinate data including a coordinate datum indicating a first outline point of a pattern corresponding to a first weight value and a coordinate datum indicating a second outline point of a pattern corresponding to a second weight value, the second weight value indicating a weight value at which vector data change;

a plurality of vector data including a vector datum indicating a movement track of the first outline point to the second outline point and a vector datum indicating a movement track of the second outline point; and

identification information indicating correspondence between each of the vector data and respective weight values, said method comprising the steps of:

inputting a weight value;

acquiring coordinate data and vector data corresponding to the weight value input in said inputting